## **Amendments to the Claims**

1. (Currently Amended) A method for preparation of an anode for a solid oxide fuel cell comprising the steps of:

mixing a porous matrix material with a yttria-stabilized-zirconia (YSZ) powder, forming a porous matrix material/powder mixture;

forming said porous matrix material/powder mixture into a porous YSZ layer;

calcining said porous YSZ layer; and

impregnating said porous YSZ layer with a metal-containing salt solution, forming an anode electrode.

- 2. (Original) A method in accordance with Claim 1, wherein said porous matrix material comprises a plurality of zircon fibers.
- 3. (Original) A method in accordance with Claim 1, wherein said metal-containing salt solution comprises a nitrate salt of a metal selected from the group consisting of Cu, Ni and mixtures thereof.

4. (Original) A method in accordance with Claim 1, wherein said porous matrix material/powder mixture is mixed with glycerol and applied to an anode side of a YSZ electrolyte, forming said porous YSZ layer on said anode side of YSZ electrolyte.



- 5. (Original) A method in accordance with Claim 1, wherein said porous matrix material/powder mixture is added to a tapecast and said tapecast is deposited onto an anode side of a YSZ electrolyte layer, forming said porous YSZ layer on said anode side of YSZ electrolyte.
- 6. (Original) A method in accordance with Claim 5, wherein a cathode is applied to a cathode side of said YSZ electrolyte layer after said calcining of said porous YSZ layer.
- 7. (Original) A method in accordance with Claim 1, wherein a metal content of said porous YSZ layer is at least about 35% by weight of said porous YSZ layer.

8. (Original) A method in accordance with Claim 1, wherein said impregnated porous YSZ layer is calcined.

A method in accordance with Claim 1, wherein 9. (Original) said porous YSZ layer is impregnated with ceria.

A method in accordance with Claim 9, wherein 10. (Original) said ceria constitutes in a range of about 5% to about 40% by weight of said porous YSZ layer.

A method for producing a solid oxide fuel cell (Original) 11. comprising the steps of:

mixing a porous matrix material with a yttria-stabilized-zirconia (YSZ) powder, forming a porous matrix material/powder mixture;

mixing said porous matrix material/powder mixture with glycerol, forming a slurry;

applying said slurry to an anode-facing face of a dense YSZ electrolyte layer, forming a porous anode layer/electrolyte layer assembly;

calcining said porous anode layer/electrolyte layer assembly;

applying a cathode layer to a cathode-facing face of said electrolyte layer, forming a fuel cell assembly;

impregnating said porous anode layer with a metal-containing salt solution; and

calcining said impregnated porous anode layer.

12. (Original) A method in accordance with Claim 11, wherein said metal-containing salt solution comprises a nitrate salt of a metal selected from the group consisting of Cu, Ni and mixtures thereof.

13. (Original) A method in accordance with Claim 12, wherein a metal content of said calcined impregnated porous anode layer is at least about 35% by weight of said calcined impregnated porous anode layer.

14. (Original) A method in accordance with Claim 11, wherein said porous matrix material comprises a plurality of zircon fibers.